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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 3 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 4 AUG 13 CA/CAPplus enhanced with additional kind codes for granted
patents
NEWS 5 AUG 20 CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS 6 AUG 27 Full-text patent databases enhanced with predefined
patent family display formats from INPADOCDB
NEWS 7 AUG 27 USPATOLD now available on STN
NEWS 8 AUG 28 CAS REGISTRY enhanced with additional experimental
spectral property data
NEWS 9 SEP 07 STN AnaVist, Version 2.0, now available with Derwent
World Patents Index
NEWS 10 SEP 13 FORIS renamed to SOFIS
NEWS 11 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 12 SEP 17 CA/CAPplus enhanced with printed CA page images from
1967-1998
NEWS 13 SEP 17 CAPplus coverage extended to include traditional medicine
patents
NEWS 14 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15 OCT 02 CA/CAPplus enhanced with pre-1907 records from Chemisches
Zentralblatt
NEWS 16 OCT 19 BEILSTEIN updated with new compounds
NEWS 17 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 18 NOV 19 WPIX enhanced with XML display format
NEWS 19 NOV 30 ICSD reloaded with enhancements
NEWS 20 DEC 04 LINPADOCDB now available on STN
NEWS 21 DEC 14 BEILSTEIN pricing structure to change
NEWS 22 DEC 17 USPATOLD added to additional database clusters
NEWS 23 DEC 17 IMSDRUGCONF removed from database clusters and STN
NEWS 24 DEC 17 DGENE now includes more than 10 million sequences
NEWS 25 DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in
MEDLINE segment
NEWS 26 DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27 DEC 17 CA/CAPplus enhanced with new custom IPC display formats
NEWS 28 DEC 17 STN Viewer enhanced with full-text patent content
from USPATOLD
NEWS 29 JAN 02 STN pricing information for 2008 now available

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability

10511742X.trn

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NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:37:15 ON 15 JAN 2008

=>

Uploading

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Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 14:37:31 ON 15 JAN 2008

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 JAN 2008 HIGHEST RN 960583-85-1

DICTIONARY FILE UPDATES: 14 JAN 2008 HIGHEST RN 960583-85-1

New CAS Information Use Policies; enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

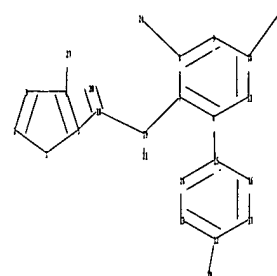
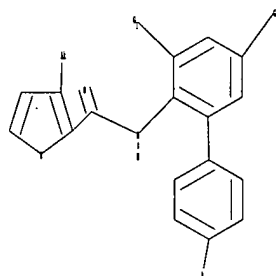
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10511742X.str



chain nodes :
 18 19 20 21 24 25 27 28
 ring nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
 chain bonds :
 4-27 5-18 6-15 7-19 8-24 10-25 12-28 18-19 18-20 19-21
 ring bonds :
 1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 12-13 12-17 13-14
 14-15 15-16 16-17
 exact/norm bonds :
 4-27 7-19 8-24 10-25 12-28 18-19 18-20
 exact bonds :
 1-2 1-5 2-3 3-4 4-5 5-18 6-15 19-21
 normalized bonds :
 6-7 6-11 7-8 8-9 9-10 10-11 12-13 12-17 13-14 14-15 15-16 16-17
 isolated ring systems :
 containing 1 : 6 : 12 :

G1:H,Cl,Br,F,I,Ak

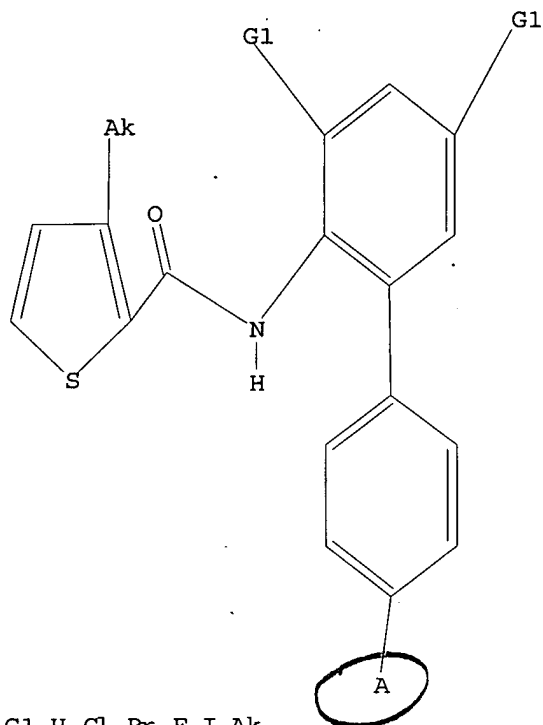
Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
 20:CLASS 21:CLASS 24:CLASS 25:CLASS 27:CLASS 28:CLASS

L1 STRUCTURE UPLOADED

=> D L1

L1 HAS NO ANSWERS

L1 STR



G1 H, Cl, Br, F, I, Ak

Structure attributes must be viewed using STN Express query preparation.

=> S L1

SAMPLE SEARCH INITIATED 14:37:47 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 54 TO ITERATE

100.0% PROCESSED 54 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 640 TO 1520

PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> S L1 SSS FULL

FULL SEARCH INITIATED 14:37:53 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 858 TO ITERATE

100.0% PROCESSED 858 ITERATIONS

SEARCH TIME: 00.00.01

41 ANSWERS

10511742X.trn

L3 41 SEA SSS FUL L1

=> FIL HCAPLUS
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
178.36	178.57

FULL ESTIMATED COST

FILE 'HCAPLUS' ENTERED AT 14:37:59 ON 15 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 15 Jan 2008 VOL 148 ISS 3
FILE LAST UPDATED: 14 Jan 2008 (20080114/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L3

L4 4 L3

=> S L4 AND PY<=2002
22927565 PY<=2002

L5 1 L4 AND PY<=2002

=> d l5 ibib abs hitstr tot

L5 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:90017 HCAPLUS

DOCUMENT NUMBER: 136:151158

TITLE: Preparation of N-biphenylcarboxamides as bactericides

INVENTOR(S): Elbe, Hans-Ludwig; Rieck, Heiko; Dunkel, Ralf;
Wachendorff-Neumann, Ulrike; Mauler-Mächnik, Astrid;
Kuck, Karl-Heinz; Kugler, Martin; Jaetsch, Thomas

PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 164 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002008197	A1	20020131	WO 2001-EP7981	20010711 <--
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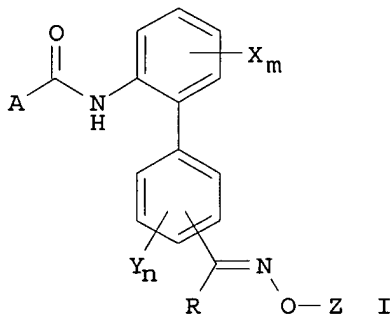
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
 UZ, VN, YU, ZA, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 DE 10122447 A1 20020418 DE 2001-10122447 20010509 <--
 EP 1305292 A1 20030502 EP 2001-956525 20010711
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 BR 2001012676 A 20030624 BR 2001-12676 20010711
 HU 2003001661 A2 20030828 HU 2003-1661 20010711
 JP 2004504383 T 20040212 JP 2002-514103 20010711
 IN 2001MU00664 A 20050304 IN 2001-MU664 20010712
 KR 772457 B1 20071101 KR 2003-700346 20030110
 ZA 2003000633 A 20040212 ZA 2003-633 20030123
 MX 2003PA00688 A 20041101 MX 2003-PA688 20030123
 US 2004039043 A1 20040226 US 2003-333598 20030506
 US 7176228 B2 20070213

PRIORITY APPLN. INFO.:

DE 2000-10035857 A 20000724
 DE 2001-10122447 A 20010509
 WO 2001-EP7981 W 20010711

OTHER SOURCE(S): MARPAT 136:151158

GI



AB Title compds. [I; R = H, (halo)alkyl, cycloalkyl; Z = H, (halo)alkyl; X, Y = halo, NO₂, cyano, OH, CO₂H, cycloalkyl, alkoxy, alkoxyimidoalkyl, (halo-substituted) alkyl, alkoxy, alkylthio, alkenyloxy, alkynyloxy, alkylsulfonyl, alkylsulfinyl; m = 0-3; n = 0-4; A = (substituted) 1H-pyrazol-4-yl, 2- or 3-thienyl, Ph, 3-pyridinyl, 3-pyranyl, 1,4-oxathiin-3-yl, 2- or 3-thiopyranyl, 3-pyrrolyl, 3- or 2-furanyl, 5- or 4-thiazolyl, 4-isothiazolyl, 5-isoxazolyl, 2-pyrazinyl], were prepared Thus; a mixture of 2-(4-methoxyiminomethylphenyl)benzenamine (preparation given) and Et₃N in PhMe was stirred with 2-methyl-4-trifluoromethylthiazole-5-carbonyl chloride at room temperature followed by stirring for 2 h at 50° to give 74% N-[2-(4-methoxyimidomethylphenyl)phenyl]-2-methyl-4-trifluoromethylthiazole-5-carboxamide. Several I at 100 ppm gave 77-100% control of Podosphaera leucotricha on apple.

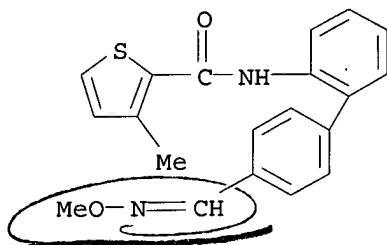
IT 393821-26-6P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of N-biphenylcarboxamides as bactericides)

RN 393821-26-6 HCAPLUS

CN 2-Thiophenecarboxamide, N-[4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-3-methyl- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 14 ibib abs hitstr tot

L4 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:817877 HCAPLUS

DOCUMENT NUMBER: 141:314146

TITLE: Preparation of trifluoromethylthiophenecarboxylic acid anilides as fungicides

INVENTOR(S): Gewehr, Markus; Mueller, Bernd; Grote, Thomas; Grammenos, Wassilios; Gypser, Andreas; Tormo i Blasco, Jordi; Schwoegler, Anja; Rheinheimer, Joachim; Blettner, Carsten; Schieweck, Frank; Rack, Michael; Schoefl, Ulrich; Strathmann, Siegfried; Stierl, Reinhard; Rether, Jan

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 68 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004085419	A1	20041007	WO 2004-EP2933	20040320
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004224205	A1	20041007	AU 2004-224205	20040320
CA 2519990	A1	20041007	CA 2004-2519990	20040320
EP 1608637	A1	20051228	EP 2004-722169	20040320
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			

BR 2004008455	A	20060404	BR 2004-8455	20040320
CN 1764657	A	20060426	CN 2004-80008102	20040320
JP 2006521316	T	20060921	JP 2006-504766	20040320
US 2006172891	A1	20060803	US 2005-548840	20050912
IN 2005CN02721	A	20070831	IN 2005-CN2721	20051021

PRIORITY APPLN. INFO.:

DE 2003-10313126	A	20030324
DE 2003-10354549	A	20031121
WO 2004-EP2933	W	20040320

OTHER SOURCE(S): MARPAT 141:314146
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

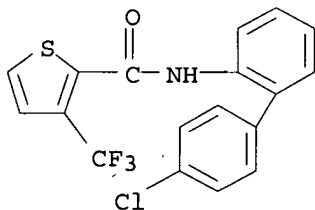
AB Title compds. [I, II, III; R1, R4 = H, halo, NO2, cyano, (halo-substituted) alkyl, cycloalkyl, alkenyl, alkynyl, alkoxy; R2 = H, OH, (halo-substituted) alkyl, cycloalkyl, alkoxy; R3 = (substituted) alkyl, cycloalkyl, alkenyl, cycloalkenyl, alkynyl, cycloalkylalkyl, Ph, phenylalkyl, phenylalkenyl, phenylalkynyl, phenoxyalkyl, phenoxyalkenyl, phenoxyalkynyl, etc.; X = O, S, bond; n = 0-4; m = 0, 1], were prepared Thus, 2-trifluoromethylthiophene-3-carboxylic acid was refluxed 2 h with SOCl2 to give the acid chloride which was stirred 15 h with m-isopropoxyaniline and Et3N in CH2Cl2 to give N-(3-isopropoxyphenyl)-2-trifluoromethylthiophene-3-carboxamide. Title compds. at 63 ppm reduced incidence of Botrytis cinerea on paprika seedlings to 1-10%, vs. 90% for untreated controls.

IT 767337-19-9P 767337-20-2P 767337-26-8P
767337-30-4P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of trifluoromethylthiophenecarboxylic acid anilides as fungicides)

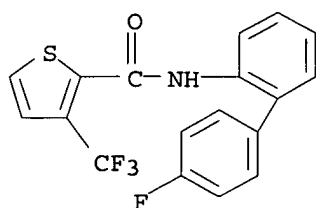
RN 767337-19-9 HCAPLUS

CN 2-Thiophenecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-3-(trifluoromethyl)- (CA INDEX NAME)

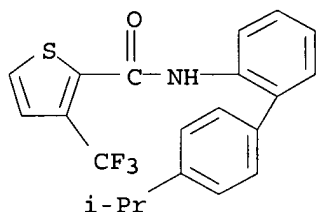


RN 767337-20-2 HCAPLUS

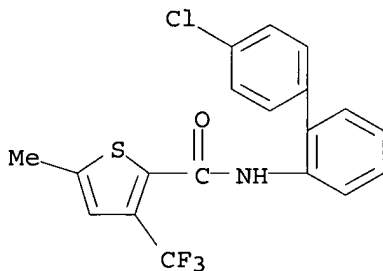
CN 2-Thiophenecarboxamide, N-(4'-fluoro[1,1'-biphenyl]-2-yl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 767337-26-8 HCAPLUS
 CN 2-Thiophenecarboxamide, N-[4'-(1-methylethyl)[1,1'-biphenyl]-2-yl]-3-(trifluoromethyl)- (CA INDEX NAME)



RN 767337-30-4 HCAPLUS
 CN 2-Thiophenecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-5-methyl-3-(trifluoromethyl)- (CA INDEX NAME)

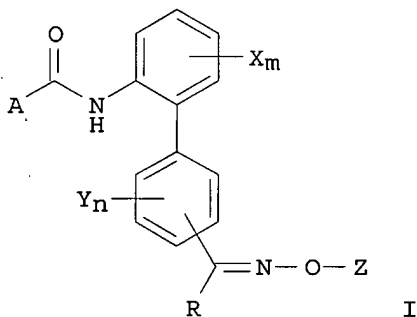


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:509994 HCAPLUS
 DOCUMENT NUMBER: 141:54333
 TITLE: Preparation of biphenylcarboxamides as agricultural fungicides and insecticides
 INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Greul, Joerg Nico; Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid; Dahmen, Peter; Kuck, Karl-Heinz; Loesel, Peter
 PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany
 SOURCE: Ger. Offen., 70 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10258314	A1	20040624	DE 2002-10258314	20021213
WO 2004054982	A1	20040701	WO 2003-EP13498	20031201
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RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003298156	A1	20040709	AU 2003-298156	20031201
EP 1572663	A1	20050914	EP 2003-795860	20031201
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BR 2003017290	A	20051108	BR 2003-17290	20031201
CN 1745067	A	20060308	CN 2003-80109571	20031201
JP 2006515841	T	20060608	JP 2004-559734	20031201
PRIORITY APPLN. INFO.:			DE 2002-10258314	A 20021213
			WO 2003-EP13498	W 20031201
OTHER SOURCE(S):		MARPAT 141:54333		
GI				

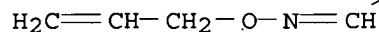
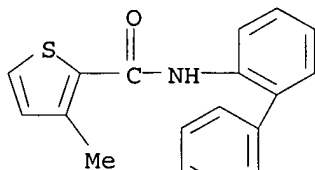


- AB Title compds. [I; R = H, alkyl, haloalkyl; Z = alkenyl, alkynyl, haloalkenyl, haloalkynyl; X, Y = halo, cyano, NO₂, alkyl, alkoxy, alkylthio, haloalkyl, haloalkoxy, haloalkylthio; m, n = 0-4; A = 5-6 membered substituted heterocycl[yl], were prepared Thus, 2'-amino-1,1'-biphenyl-4-carbaldehyde O-allyloxime (preparation given) and Et₃N was treated with 4-difluoromethyl-2-methylthiazole-5-carbonyl chloride in PhMe at room temperature followed by stirring for 3 h at 50° to give 49.6% N-(4'-[(E)-[(allyloxy)imino]methyl]-1,1'-biphenyl-2-yl)-4-(difluoromethyl)-2-methyl-1,3-thiazole-5-carboxamide. The latter at 100 ppm gave 100% control of *Venturia inaequalis*.
- IT 705944-42-9P 705944-75-8P 705944-88-3P
705944-90-7P 705944-94-1P 705945-00-2P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of biphenylcarboxamides as agricultural fungicides and insecticides)

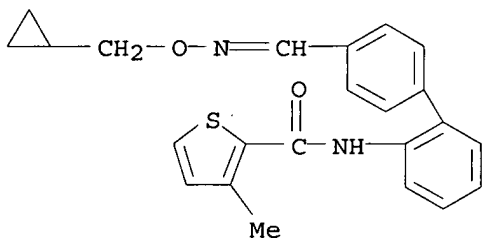
RN 705944-42-9 HCAPLUS

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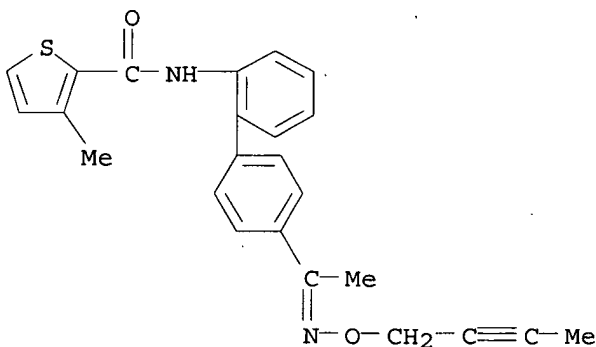
RN 705944-75-8 HCAPLUS

CN 2-Thiophenecarboxamide, N-[4'-[[(cyclopropylmethoxy)imino]methyl] [1,1'-biphenyl]-2-yl]-3-methyl- (CA INDEX NAME)



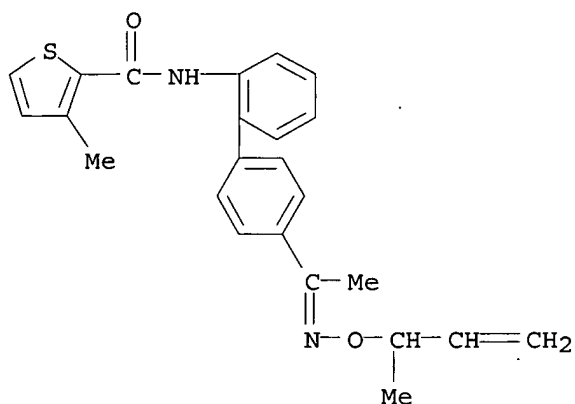
RN 705944-88-3 HCAPLUS

CN 2-Thiophenecarboxamide, N-[4'-[1-[(2-butynyloxy)imino]ethyl] [1,1'-biphenyl]-2-yl]-3-methyl- (9CI) (CA INDEX NAME)

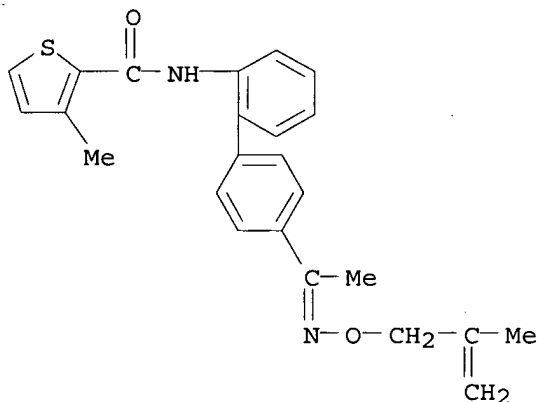


RN 705944-90-7 HCAPLUS

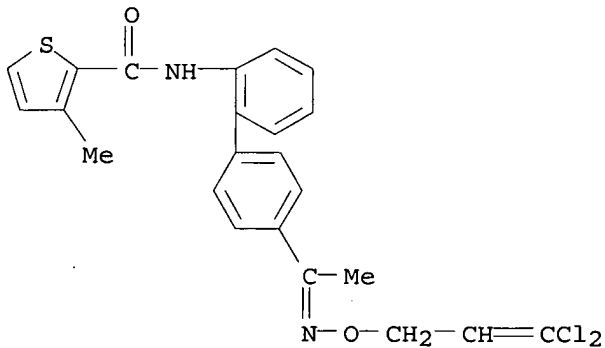
CN 2-Thiophenecarboxamide, 3-methyl-N-[4'-[1-[[(1-methyl-2-propenyl)oxy]imino]ethyl] [1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)



RN 705944-94-1 HCAPLUS
 CN 2-Thiophenecarboxamide, 3-methyl-N-[4'-[1-[(2-methyl-2-propenyl)oxy]imino]ethyl][1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)



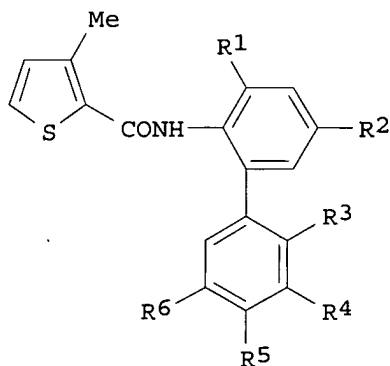
RN 705945-00-2 HCAPLUS
 CN 2-Thiophenecarboxamide, N-[4'-[1-[(3,3-dichloro-2-propenyl)oxy]imino]ethyl][1,1'-biphenyl]-2-yl]-3-methyl- (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:875275 HCAPLUS
DOCUMENT NUMBER: 139:350627
TITLE: Preparation of N-(1,1'-biphen-2-yl)-3-methylthiophene-2-carboxamides as agricultural fungicides
INVENTOR(S): Dunkel, Ralf; Rieck, Heiko; Elbe, Hans-Ludwig;
Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid;
Kuck, Karl-Heinz
PATENT ASSIGNEE(S): Bayer CropScience AG, Germany
SOURCE: PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003091240	A1	20031106	WO 2003-EP3894	20030415
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
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AU 2003227622	A1	20031110	AU 2003-227622	20030415
EP 1501820	A1	20050202	EP 2003-725028	20030415
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JP 2005529891	T	20051006	JP 2003-587799	20030415
AT 327987	T	20060615	AT 2003-725028	20030415
ES 2264764	T3	20070116	ES 2003-3725028	20030415
IN 2003MU00366	A	20050211	IN 2003-MU366	20030416
US 2006148886	A1	20060706	US 2005-511742	20051117
PRIORITY APPLN. INFO.:			DE 2002-10218231	A 20020424
			WO 2003-EP3894	W 20030415
OTHER SOURCE(S):	MARPAT 139:350627			
GI				



I

AB Title compds. [I; R1, R2 = H, F; R3, R4, R6 = H, halo, (halo)alkyl; R5 = H, halo, cyano, NO2, alkyl, alkenyl, cycloalkyl, alkoxy, alkylthio, alkylsulfonyl, haloalkyl, haloalkoxy, haloalkylthio, haloalkylsulfonyl], were prepared. Thus, 3'-chloro-4'-fluoro-1,1'-biphenyl-2-amine (preparation given) was treated with Et3N and 3-methylthiophene-2-carbonyl chloride in THF followed by stirring for 16 h at 60° to give 99% N-(3'-chloro-4'-fluoro-1,1'-biphen-2-yl)-3-methylthiophene-2-carboxamide. The latter at 100 ppm gave 100% control of *Podosphaera leucotricha* on apple.

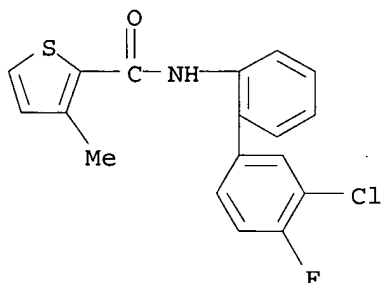
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of (biphenyl)methylthiophenecarboxamides as agricultural fungicides)

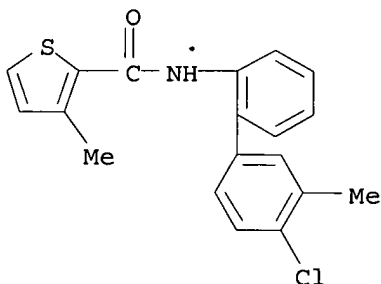
RN 618915-69-8 HCAPLUS

CN 2-Thiophenecarboxamide, N-(3'-chloro-4'-fluoro[1,1'-biphenyl]-2-yl)-3-methyl- (CA INDEX NAME)



RN 618915-70-1 HCAPLUS

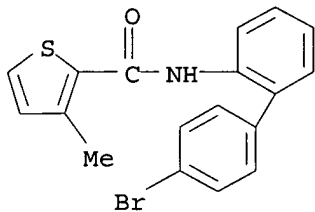
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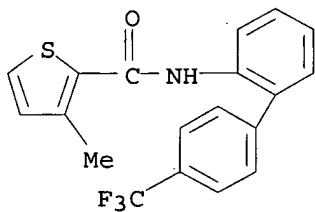
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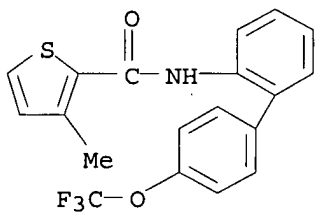
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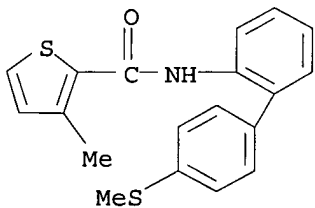
RN 618915-75-6 HCAPLUS

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RN 618915-76-7 HCAPLUS

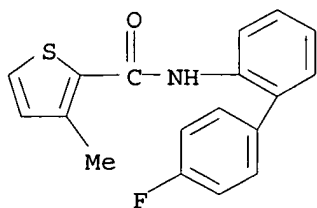
CN 2-Thiophenecarboxamide, 3-methyl-N-[4'-(methylthio)[1,1'-biphenyl]-2-yl]- (CA INDEX NAME)



RN 618915-77-8 HCAPLUS

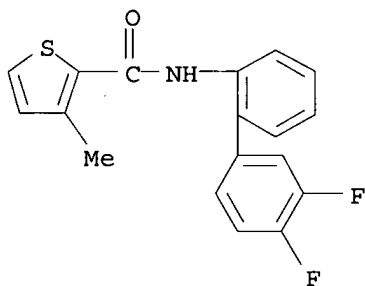
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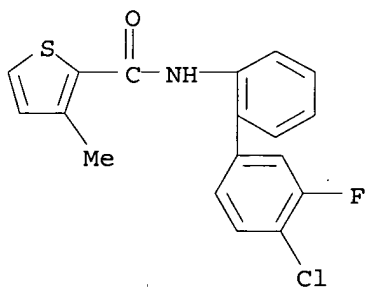
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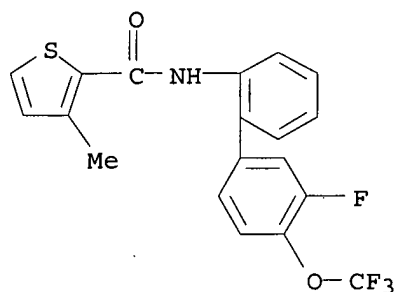
RN 618915-79-0 HCAPLUS

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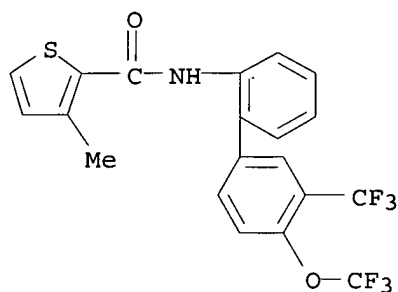


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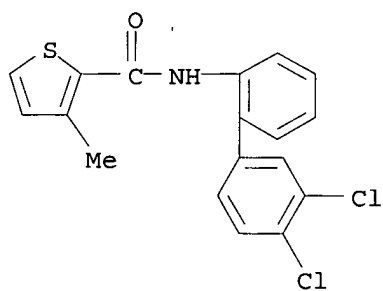
CN 2-Thiophenecarboxamide, N-[3'-fluoro-4'-(trifluoromethoxy)[1,1'-biphenyl]-2-yl]-3-methyl- (CA INDEX NAME)



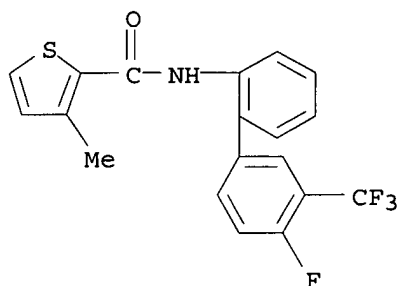
RN 618915-81-4 HCAPLUS
 CN 2-Thiophenecarboxamide, 3-methyl-N-[4'-(trifluoromethoxy)-3'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]- (CA INDEX NAME)



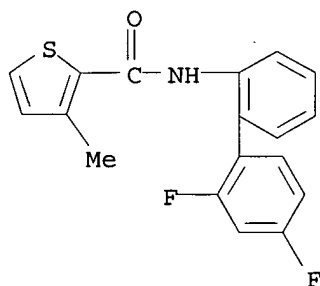
RN 618915-82-5 HCAPLUS
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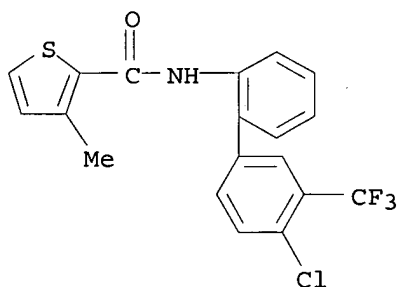
RN 618915-83-6 HCAPLUS
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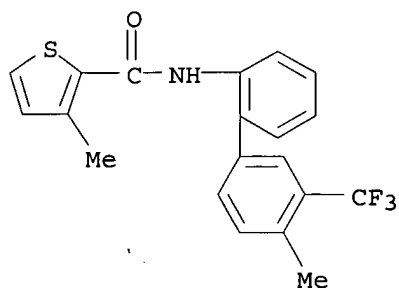
RN 618915-85-8 HCAPLUS
 CN 2-Thiophenecarboxamide, N-(2',4'-difluoro[1,1'-biphenyl]-2-yl)-3-methyl-
 (CA INDEX NAME)



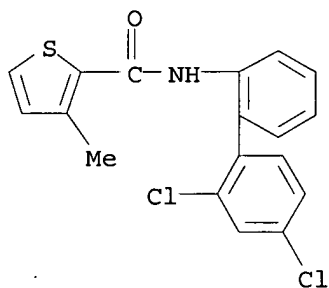
RN 618915-86-9 HCAPLUS
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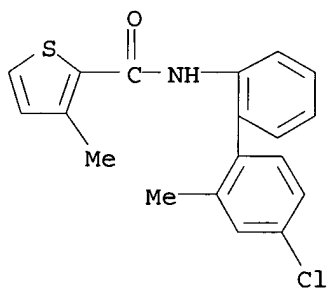
RN 618915-87-0 HCAPLUS
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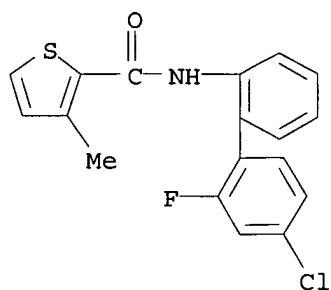
RN 618915-88-1 HCAPLUS
 CN 2-Thiophenecarboxamide, N-(2',4'-dichloro[1,1'-biphenyl]-2-yl)-3-methyl-
 (CA INDEX NAME)



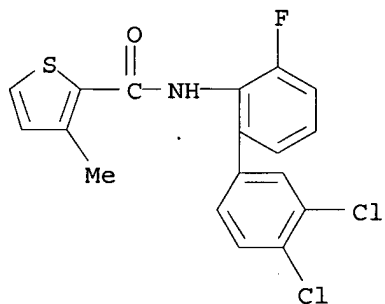
RN 618915-89-2 HCAPLUS
 CN 2-Thiophenecarboxamide, N-(4'-chloro-2'-methyl[1,1'-biphenyl]-2-yl)-3-methyl-
 (CA INDEX NAME)



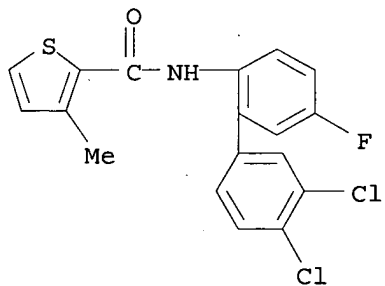
RN 618915-90-5 HCAPLUS
 CN 2-Thiophenecarboxamide, N-(4'-chloro-2'-fluoro[1,1'-biphenyl]-2-yl)-3-methyl-
 (CA INDEX NAME)



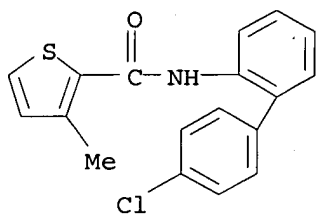
RN 618915-91-6 HCAPLUS
 CN 2-Thiophenecarboxamide, N-(3',4'-dichloro-3-fluoro[1,1'-biphenyl]-2-yl)-3-methyl- (CA INDEX NAME)



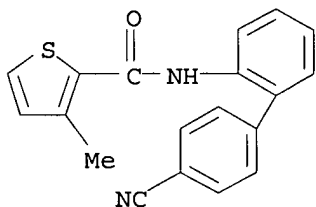
RN 618915-92-7 HCAPLUS
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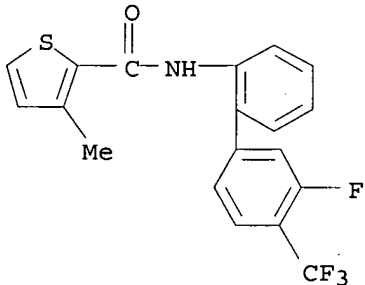
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 CN 2-Thiophenecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-3-methyl- (CA INDEX NAME)



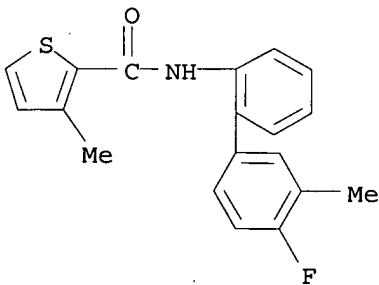
RN 618915-94-9 HCAPLUS
 CN 2-Thiophenecarboxamide, N-(4'-cyano[1,1'-biphenyl]-2-yl)-3-methyl- (CA INDEX NAME)



RN 618915-95-0 HCAPLUS
 CN 2-Thiophenecarboxamide, N-[3'-fluoro-4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-3-methyl- (CA INDEX NAME)



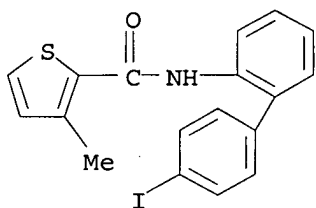
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RN 618915-98-3 HCAPLUS

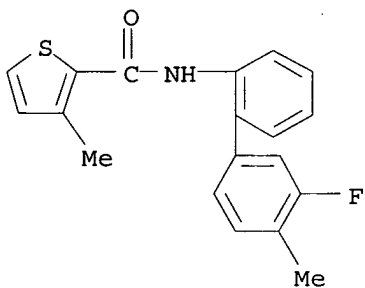
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CN 2-Thiophenecarboxamide, N-(4'-iodo[1,1'-biphenyl]-2-yl)-3-methyl- (CA INDEX NAME)



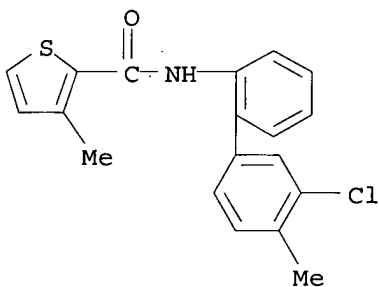
RN 618915-99-4 HCAPLUS

CN 2-Thiophenecarboxamide, N-(3'-fluoro-4'-methyl[1,1'-biphenyl]-2-yl)-3-methyl- (CA INDEX NAME)



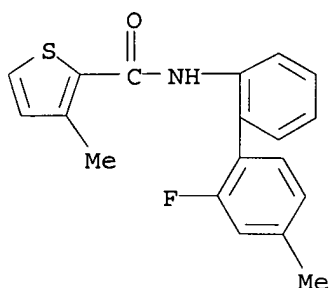
RN 618916-00-0 HCAPLUS

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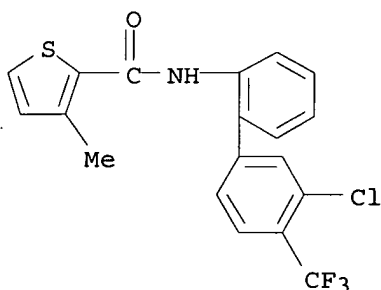
RN 618916-01-1 HCAPLUS

CN 2-Thiophenecarboxamide, N-(2'-fluoro-4'-methyl[1,1'-biphenyl]-2-yl)-3-methyl- (CA INDEX NAME)



RN 618916-02-2 HCAPLUS

CN 2-Thiophenecarboxamide, N-[3'-chloro-4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-3-methyl- (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:90017 HCAPLUS

DOCUMENT NUMBER: 136:151158

TITLE: Preparation of N-biphenylcarboxamides as bactericides

INVENTOR(S): Elbe, Hans-Ludwig; Rieck, Heiko; Dunkel, Ralf;
Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid;
Kuck, Karl-Heinz; Kugler, Martin; Jaetsch, Thomas

PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 164 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

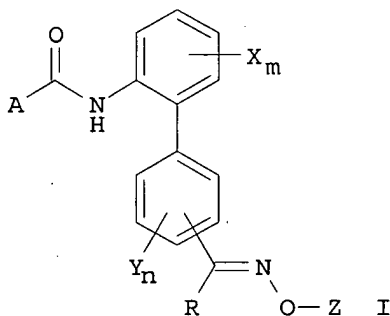
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IN 2001MU00664	A	20050304	IN 2001-MU664	20010712
KR 772457	B1	20071101	KR 2003-700346	20030110
ZA 2003000633	A	20040212	ZA 2003-633	20030123
MX 2003PA00688	A	20041101	MX 2003-PA688	20030123
US 2004039043	A1	20040226	US 2003-333598	20030506
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PRIORITY APPLN. INFO.:

DE 2000-10035857	A	20000724
DE 2001-10122447	A	20010509
WO 2001-EP7981	W	20010711

OTHER SOURCE(S): MARPAT 136:151158
GI

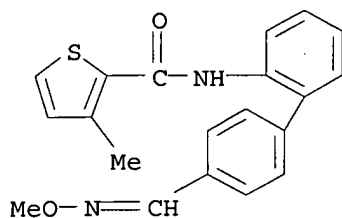


AB Title compds. [I; R = H, (halo)alkyl, cycloalkyl; Z = H, (halo)alkyl; X, Y = halo, NO₂, cyano, OH, CO₂H, cycloalkyl, alkoxy, alkoxyimidoalkyl, (halo-substituted) alkyl, alkoxy, alkylthio, alkenyloxy, alkynyloxy, alkylsulfonyl, alkylsulfinyl; m = 0-3; n = 0-4; A = (substituted) 1H-pyrazol-4-yl, 2- or 3-thienyl, Ph, 3-pyridinyl, 3-pyranyl, 1,4-oxathiin-3-yl, 2- or 3-thiopyranyl, 3-pyrrolyl, 3- or 2-furanyl, 5- or 4-thiazolyl, 4-isothiazolyl, 5-isoxazolyl, 2-pyrazinyl], were prepared. Thus, a mixture of 2-(4-methoxyiminomethylphenyl)benzenamine (preparation given) and Et₃N in PhMe was stirred with 2-methyl-4-trifluoromethylthiazole-5-carbonyl chloride at room temperature followed by stirring for 2 h at 50° to give 74% N-[2-(4-methoxyimidomethylphenyl)phenyl]-2-methyl-4-trifluoromethylthiazole-5-carboxamide. Several I at 100 ppm gave 77-100% control of *Podosphaera leucotricha* on apple.

IT 393821-26-6P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of N-biphenylcarboxamides as bactericides)

RN 393821-26-6 HCAPLUS

CN 2-Thiophenecarboxamide, N-[4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-3-methyl- (CA INDEX NAME)



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

35.32

213.89

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-4.00

-4.00

STN INTERNATIONAL LOGOFF AT 14:39:55 ON 15 JAN 2008